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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> |  | Attorney Docket No. <b>200701/1127</b>   |  |
|   |  | First Inventor <b>Zhang</b>  |  |
|   |  | Title <b>A MICROCHIP ELECTROSPRAY DEVICE<br/>AND COLUMN WITH AFFINITY<br/>ADSORBENTS AND USE OF THE SAME</b> |  |
|   |  | Express Mail Label No. <b>EV138584919US</b>  |  |

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| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. |  | ADDRESS TO: <b>Mail Stop Patent Application<br/>Commissioner for Patents<br/>P.O. Box 1450<br/>Alexandria, Virginia 22313-1450</b> |  |
|---|--|--|--|

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|--|---|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original and a duplicate for fee processing)</i><br>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br>3. <input checked="" type="checkbox"/> Specification [Total Pages 41]<br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross Reference to Related Applications <i>(if applicable)</i><br>- Statement Regarding Fed sponsored R & D <i>(if applicable)</i><br>- Reference to sequence listing, a table,<br>or a computer program listing appendix <i>(if applicable)</i><br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings <i>(if filed)</i><br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 16]<br>5. Oath or Declaration [Total Pages 2]<br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Unsigned<br>c. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br><i>(for continuation/divisional with Box 18 completed)</i><br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b)<br>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)<br>8. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i><br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies; or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies<br><div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>ACCOMPANYING APPLICATION PARTS</b><br/>         9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))<br/>         10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of<br/> <i>(when there is an assignee)</i> Attorney<br/>         11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i><br/>         12. <input checked="" type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS<br/>         Statement (IDS)/PTO-1449 Citations<br/>         13. <input checked="" type="checkbox"/> Preliminary Amendment<br/>         14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/> <i>(Should be specifically itemized)</i><br/>         15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/> <i>(if foreign priority is claimed)</i><br/>         16. <input type="checkbox"/> Nonpublication request under 35 U.S.C.<br/>         122(b)(2)(B)(i). Applicant must attach form<br/>         PTO/SB/35 or its equivalent.<br/>         17. <input type="checkbox"/> Other: _____       </div> |
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|--|--|--|--|
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,<br>or in an Application Data Sheet under 37 CFR 1.76:<br><input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No.: <b>10/078,843</b><br>Prior application information:    Examiner <b>Ernest Therkorn</b> Group / Art Unit: <b>1723</b> |  |  |  |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under<br>Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The<br>incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.  |  |  |  |

|  |           |                                |   |                                   |                |
|--|-----------|--------------------------------|---|-----------------------------------|----------------|
| <b>19. CORRESPONDENCE ADDRESS</b>                          |           |                                |   |                                   |                |
| <input type="checkbox"/> Customer Number or Bar Code Label |           |                                | or <input checked="" type="checkbox"/> Correspondence address below |                                   |                |
|  |           |                                |   |                                   |                |
| Name   |           | Nixon Peabody LLP              |   |                                   |                |
| Address  |           | Clinton Square, P.O. Box 31051 |   |                                   |                |
| City   | Rochester | State                          | NY  | Zip Code                          | 14603-1051     |
| Country  | USA       | Telephone                      | (585) 263-1601  | Fax                               | (585) 263-1600 |
| Name (Print/Type)  |           | Joseph M. Noto                 |   | Registration No. (Attorney/Agent) |                |
| Signature  |           |                                |   | Date                              |                |
|  |           |                                |   | 9/9/03                            |                |

 03917 U.S. PRO  
 10/658008  
 09/09/03

# FEE TRANSMITTAL FOR FY 2003

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

Complete if Known

|                      |                        |
|----------------------|------------------------|
| Application Number   | Division of 10/078,843 |
| Filing Date          | Herewith               |
| First Named Inventor | Zhang                  |
| Examiner Name        | To Be Assigned         |
| Art Unit             | To Be Assigned         |
| Attorney Docket No.  | 200701/1127            |

TOTAL AMOUNT OF PAYMENT (\$ 375)

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 14-1138

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 1001                  | 750                   | 2001                  | 375                   | Utility filing fee     | 375      |
| 1002                  | 330                   | 2002                  | 165                   | Design filing fee      |          |
| 1003                  | 520                   | 2003                  | 260                   | Plant filing fee       |          |
| 1004                  | 750                   | 2004                  | 375                   | Reissue filing fee     |          |
| 1005                  | 160                   | 2005                  | 80                    | Provisional filing fee |          |

SUBTOTAL (1) (\$ 375)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 19                 | -20** = 0    | X 9            | = 0      |
| Independent Claims | 2            | -3** = 0       | X 42 = 0 |
| Multiple Dependent |              | X              | = 0      |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1202                  | 18                    | 2202                  | 9                     | Claims in excess of 20                                     |
| 1201                  | 84                    | 2201                  | 42                    | Independent claims in excess of 3                          |
| 1203                  | 280                   | 2203                  | 140                   | Multiple dependent claim, if not paid                      |
| 1204                  | 84                    | 2204                  | 42                    | ** Reissue independent claims over original patent         |
| 1205                  | 18                    | 2205                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1051                  | 130                   | 2051                  | 65                    | Surcharge - late filing fee or oath  |
| 1052                  | 50                    | 2052                  | 25                    | Surcharge - late provisional filing fee or cover sheet                     |
| 1053                  | 130                   | 1053                  | 130                   | Non-English specification  |
| 1812                  | 2,520                 | 1812                  | 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |
| 1804                  | 920*                  | 1804                  | 920*                  | Requesting publication of SIR prior to Examiner action                     |
| 1805                  | 1,840*                | 1805                  | 1,840*                | Requesting publication of SIR after Examiner action                        |
| 1251                  | 110                   | 2251                  | 55                    | Extension for reply within first month                                     |
| 1252                  | 410                   | 2252                  | 205                   | Extension for reply within second month                                    |
| 1253                  | 930                   | 2253                  | 465                   | Extension for reply within third month                                     |
| 1254                  | 1,450                 | 2254                  | 725                   | Extension for reply within fourth month                                    |
| 1255                  | 1,970                 | 2255                  | 985                   | Extension for reply within fifth month                                     |
| 1401                  | 320                   | 2401                  | 160                   | Notice of Appeal   |
| 1402                  | 320                   | 2402                  | 160                   | Filing a brief in support of an appeal                                     |
| 1403                  | 280                   | 2403                  | 140                   | Request for oral hearing   |
| 1451                  | 1,510                 | 1451                  | 1,510                 | Petition to institute a public use proceeding                              |
| 1452                  | 110                   | 2452                  | 55                    | Petition to revive - unavoidable   |
| 1453                  | 1,300                 | 2453                  | 650                   | Petition to revive - unintentional   |
| 1501                  | 1,300                 | 2501                  | 650                   | Utility issue fee (or reissue)   |
| 1502                  | 470                   | 2502                  | 235                   | Design issue fee   |
| 1503                  | 630                   | 2503                  | 315                   | Plant issue fee  |
| 1460                  | 130                   | 1460                  | 130                   | Petitions to the Commissioner  |
| 1807                  | 50                    | 1807                  | 50                    | Processing fee under 37 CFR 1.17(q)  |
| 1806                  | 180                   | 1806                  | 180                   | Submission of Information Disclosure Stmt                                  |
| 8021                  | 40                    | 8021                  | 40                    | Recording each patent assignment per property (times number of properties) |
| 1809                  | 750                   | 2809                  | 375                   | Filing a submission after final rejection (37 CFR 1.129(a))                |
| 1810                  | 750                   | 2810                  | 375                   | For each additional invention to be examined (37 CFR 1.129(b))             |
| 1801                  | 750                   | 2801                  | 375                   | Request for Continued Examination (RCE)                                    |
| 1802                  | 900                   | 1802                  | 900                   | Request for expedited examination of a design application                  |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

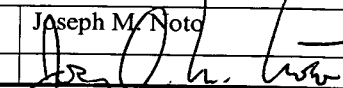
- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop \_\_\_\_\_, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) \_\_\_\_\_

Date

Signature

Typed or printed name

## SUBMITTED BY

|                   |   |                                   |        |           |                |
|-------------------|---|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Joseph M. Noto  | Registration No. (Attorney/Agent) | 32,163 | Telephone | (585) 263-1601 |
| Signature         |  | Date                              | 9/9/03 |           |                |

SEND TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### **EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **200701/1127**  
APPLICANTS: **Sheng Zhang and Xian Huang**  
TITLE: **A MICROCHIP ELECTROSPRAY DEVICE AND COLUMN  
WITH AFFINITY ADSORBENTS AND USE OF THE SAME**

Certificate is attached to the **Fee Transmittal for FY 2003 (1 page) (in duplicate)** of the above-named application.

EXPRESS MAIL NUMBER: **EV138584919US**  
DATE OF DEPOSIT: **September 9, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Shawn A. Lockett  
\_\_\_\_\_  
(Typed or printed name of person  
mailing paper or fee)

  
\_\_\_\_\_  
(Signature of person mailing paper  
or fee)

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 200701/1127  
APPLICANTS: Sheng Zhang and Xian Huang  
TITLE: A MICROCHIP ELECTROSPRAY DEVICE AND COLUMN  
WITH AFFINITY ADSORBENTS AND USE OF THE SAME

Certificate is attached to the **Utility Patent Application Transmittal Letter (1 page)**  
**(in duplicate)** of the above-named application.

EXPRESS MAIL NUMBER: EV138584919US  
DATE OF DEPOSIT: September 9, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Shawn A. Lockett  
\_\_\_\_\_  
(Typed or printed name of person  
mailing paper or fee)

  
\_\_\_\_\_  
(Signature of person mailing paper  
or fee)

## EXPRESS MAIL CERTIFICATE

DOCKET NO.: 200701/1127  
APPLICANTS: Sheng Zhang and Xian Huang  
TITLE: A MICROCHIP ELECTROSPRAY DEVICE AND COLUMN  
WITH AFFINITY ADSORBENTS AND USE OF THE SAME

Certificate is attached to the **Patent Application including specification, claims, and abstract (41 pages)**, as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: EV138584919US  
DATE OF DEPOSIT: September 9, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **200701/1127**  
APPLICANTS: **Sheng Zhang and Xian Huang**  
TITLE: **A MICROCHIP ELECTROSPRAY DEVICE AND COLUMN  
WITH AFFINITY ADSORBENTS AND USE OF THE SAME**

Certificate is attached to the copy of the **SIGNED Combined Declaration and Power of Attorney Form (2 pages)** as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: **EV138584919US**  
DATE OF DEPOSIT: **September 9, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Shawn A. Lockett  
\_\_\_\_\_  
(Typed or printed name of person  
mailing paper or fee)

  
\_\_\_\_\_  
(Signature of person mailing paper  
or fee)

## EXPRESS MAIL CERTIFICATE

DOCKET NO.: **200701/1127**  
APPLICANTS: **Sheng Zhang and Xian Huang**  
TITLE: **A MICROCHIP ELECTROSPRAY DEVICE AND COLUMN  
WITH AFFINITY ADSORBENTS AND USE OF THE SAME**

Certificate is attached to the **Formal Drawings (16 sheets)** of the above-named application.

EXPRESS MAIL NUMBER: **EV138584919US**  
DATE OF DEPOSIT: **September 9, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Shawn A. Lockett  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)